

PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1

of 3

Complete if Known

Application Number	10/689,478
Filing Date	10/20/03
First Named Inventor	Daniel S. Papenfuss
Art Unit	1772
Examiner Name	Marc Patterson

Attorney Docket Number 20717

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
M.P.		US- 3,608,815	09/28/71	Bunch	—
M.P.		US- 3,626,143	12/07/71	Fry	—
M.P.		US- 3,909,582	09/30/75	Bowen	—
M.P.		US- 4,009,312	02/22/77	Hayashi et al.	—
M.P.		US- 4,028,475	06/07/77	Willdorf	—
M.P.		US- 4,054,711	10/18/77	Botsolas	—
M.P.		US- 4,133,924	01/09/79	Seino et al.	—
M.P.		US- 4,236,652	12/02/80	Beguhn	—
M.P.		US- 4,493,872	01/15/85	Funderburk et al.	—
M.P.		US- 4,778,058	10/18/88	Yamazaki et al.	—
M.P.		US- 4,834,245	05/30/89	Ohga et al.	—
M.P.		US- 4,903,841	02/27/90	Ohsima et al.	—
M.P.		US- 4,985,300	01/15/91	Huang	—
M.P.		US- 5,001,325	03/19/91	Huizinga	—
M.P.		US- 5,180,615	01/19/93	Havens	—
M.P.		US- 5,229,180	07/20/93	Littman	—
M.P.		US- 5,302,344	04/12/94	Perlman	—
M.P.		US- 5,613,779	03/25/97	Niwa	—
M.P.		US- 5,630,308	05/20/97	Guckenberger	—

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
M.P.		EP 0 060 311 B1	12/05/84	Vargui et al.	—	
M.P.		EP 0 263 383 B1	03/27/91	Canamero	—	
M.P.		EP 0 363 540 B1	01/27/93	Ohsima et al.	—	
M.P.		EP 0 473 517 B1	09/02/98	Guckenberger	—	
M.P.		EP 0 575 299 B1	04/16/93	Nideborn	—	
M.P.		EP 0 957 045 B1	09/04/02	Bevliacqua	—	

Examiner Signature	Marc Patterson	Date Considered	6/27/05
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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First Named Inventor	Daniel S. Papenfuss
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Attorney Docket Number	20717

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		Number-Kind Code ² (if known)			
M.P.		US- 5,700,560	12/23/97	Kotani et al.	—
M.P.		US- 5,827,583	10/27/98	Ambler	—
M.P.		US- 5,910,138	06/08/99	Sperko et al.	—
M.P.		US- 5,944,709	08/31/99	Barney et al.	—
M.P.		US- 5,969,029	10/19/99	Kotani et al.	—
M.P.		US- 6,004,251	12/21/99	Herrin	—
M.P.		US- 6,099,953	08/08/00	Komai et al.	—
M.P.		US- 6,173,554 B1	01/16/01	Marbler	—
M.P.		US- 6,203,535 B1	03/20/01	Barney et al.	—
M.P.		US- 6,376,042 B1	04/23/02	Peiffer et al.	—
M.P.		US- 6,427,420 B1	08/06/02	Olivieri et al.	—
M.P.		US- 6,428,882 B1	08/06/02	Peiffer et al.	—
M.P.		US- 6,436,498 B1	08/20/02	Rangwalla et al.	—
M.P.		US- 6,455,138 B1	09/24/02	Murano	—
M.P.		US- 6,475,597 B2	11/05/02	Komai et al	—
M.P.		US- 6,500,514 B1	12/31/02	Bleemberg et al.	—
M.P.		US- 2001/0038895 A1	11/08/01	Moteki et al.	—
M.P.		US- 2002/0068668 A1	06/06/02	Chow et al.	—
M.P.		US- 2002/0081405 A1	06/27/02	Marbler et al.	—

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
M.P.		WO 98/29312	07/09/98	Oliveri et al.	—	
M.P.		WO 99/19229	04/22/99	Fayet et al.	—	
M.P.		WO 02/34820 A1	05/02/02	Okhai	—	
M.P.		EP 0540 184 A1	05/05/93	Littman	—	
M.P.		EP 0 596 747 A1	05/11/94	Schlappi et al.	—	
M.P.		EP 1 094 013 A1	04/25/01	Jammet et al.	—	

Examiner Signature	Marc Patterson	Date Considered	6/27/03
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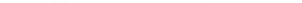
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